X-1016 US PATENT

METHOD AND APPARATUS FOR PROVIDING NON 2:1 GILBERT CELL MIXER

ABSTRACT

A method and apparatus for providing non 2:1 current in a Gilbert cell mixer is disclosed. The Gilbert cell mixer provides lower voltage operation, lower LO drive and better linearity. Additional current sources are provided to drive the lower, source-coupled transistor pair thereby allowing operation of the switch transistors with lower current.